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ABSTRACT OF THE DISCLOSURE

An alpha brass (copper/zinc alloy with less than 39%, by weight, of zinc) stock alloy has controlled additions of nickel, tin and phosphorous. The combination of nickel and tin increase resistance of the alloy to elevated temperature stress relaxation. As a result, spring contacts formed from alloys of the invention maintain a higher percentage of initially imposed stress at elevated temperatures, in the range of 125°C to 150°C, for significantly longer times than other brass alloys of comparable strength.

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